Fig. 1

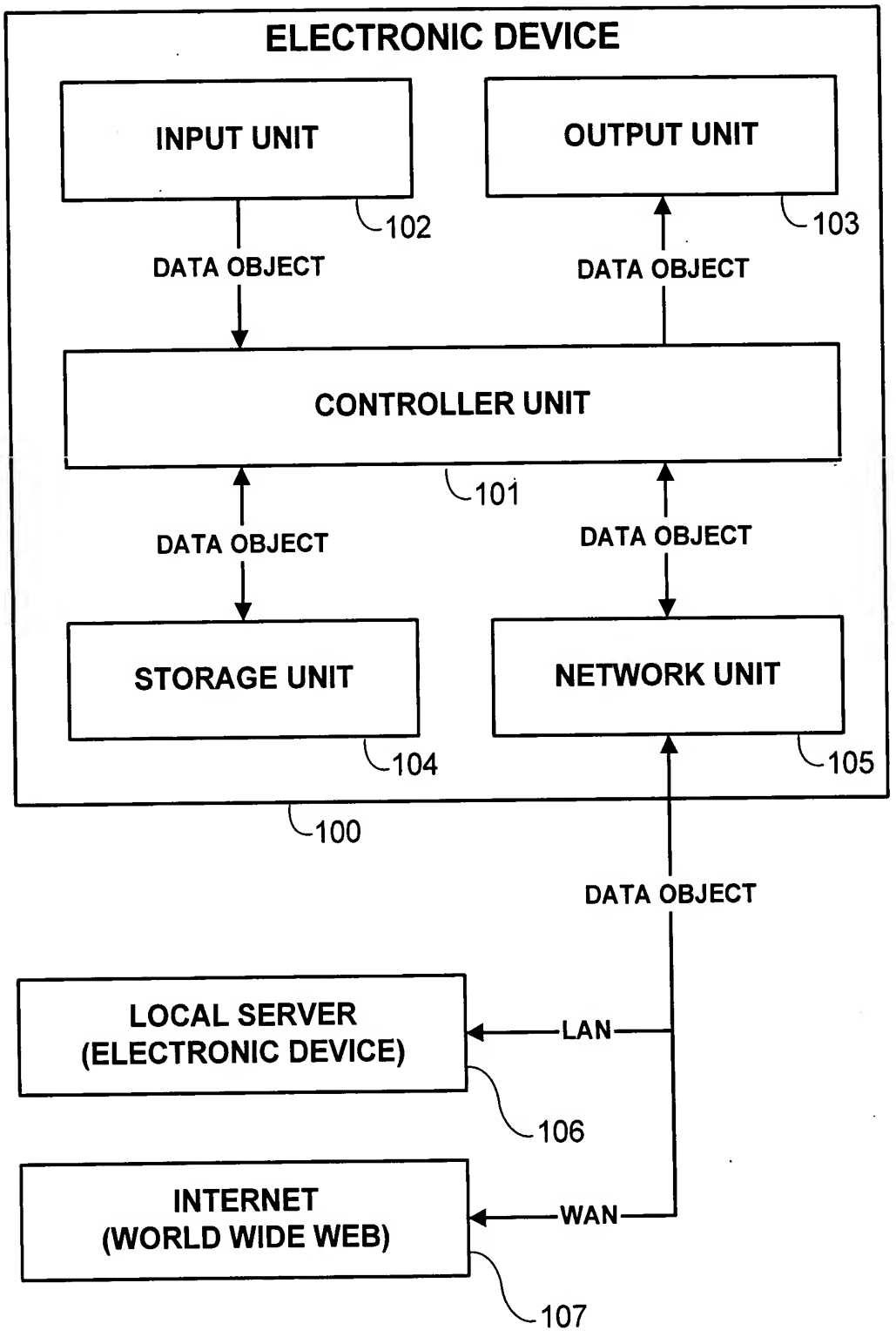

ELECTRONIC DEVICE
INPUT UNIT
OUTPUT UNIT
102
103
DATA OBJECT
DATA OBJECT
CONTROLLER UNIT
101
DATA OBJECT
DATA OBJECT
STORAGE UNIT
NETWORK UNIT
104
105
100
DATA OBJECT
LOCAL SERVER
(ELECTRONIC DEVICE)
LAN
106
INTERNET
(WORLD WIDE WEB)
WAN
107

Fig. 2

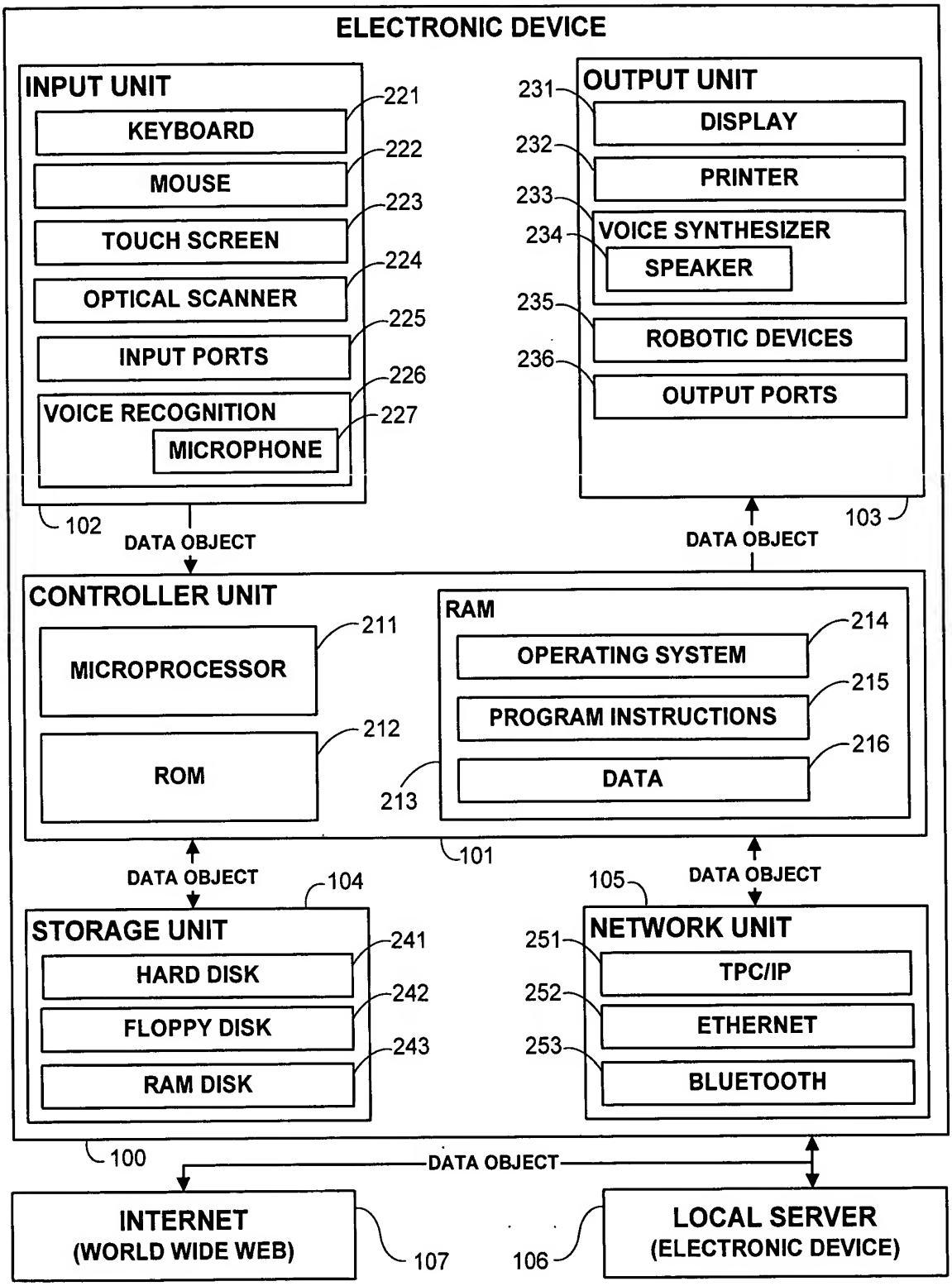

ELECTRONIC DEVICE
INPUT UNIT
KEYBOARD
MOUSE
TOUCH SCREEN
OPTICAL SCANNER
INPUT PORTS
VOICE RECOGNITION
MICROPHONE
221
222
223
224
225
226
227
102
DATA OBJECT
OUTPUT UNIT
DISPLAY
PRINTER
VOICE SYNTHESIZER
SPEAKER
ROBOTIC DEVICES
OUTPUT PORTS
231
232
233
234
235
236
103
DATA OBJECT
CONTROLLER UNIT
MICROPROCESSOR
ROM
211
212
RAM
OPERATING SYSTEM
PROGRAM INSTRUCTIONS
DATA
213
214
215
216
101
DATA OBJECT
104
STORAGE UNIT
HARD DISK
FLOPPY DISK
RAM DISK
241
242
243
105
DATA OBJECT
NETWORK UNIT
TPC/IP
ETHERNET
BLUETOOTH
251
252
253
100
DATA OBJECT
INTERNET
(WORLD WIDE WEB)
107
LOCAL SERVER
(ELECTRONIC DEVICE)
106

Fig. 3

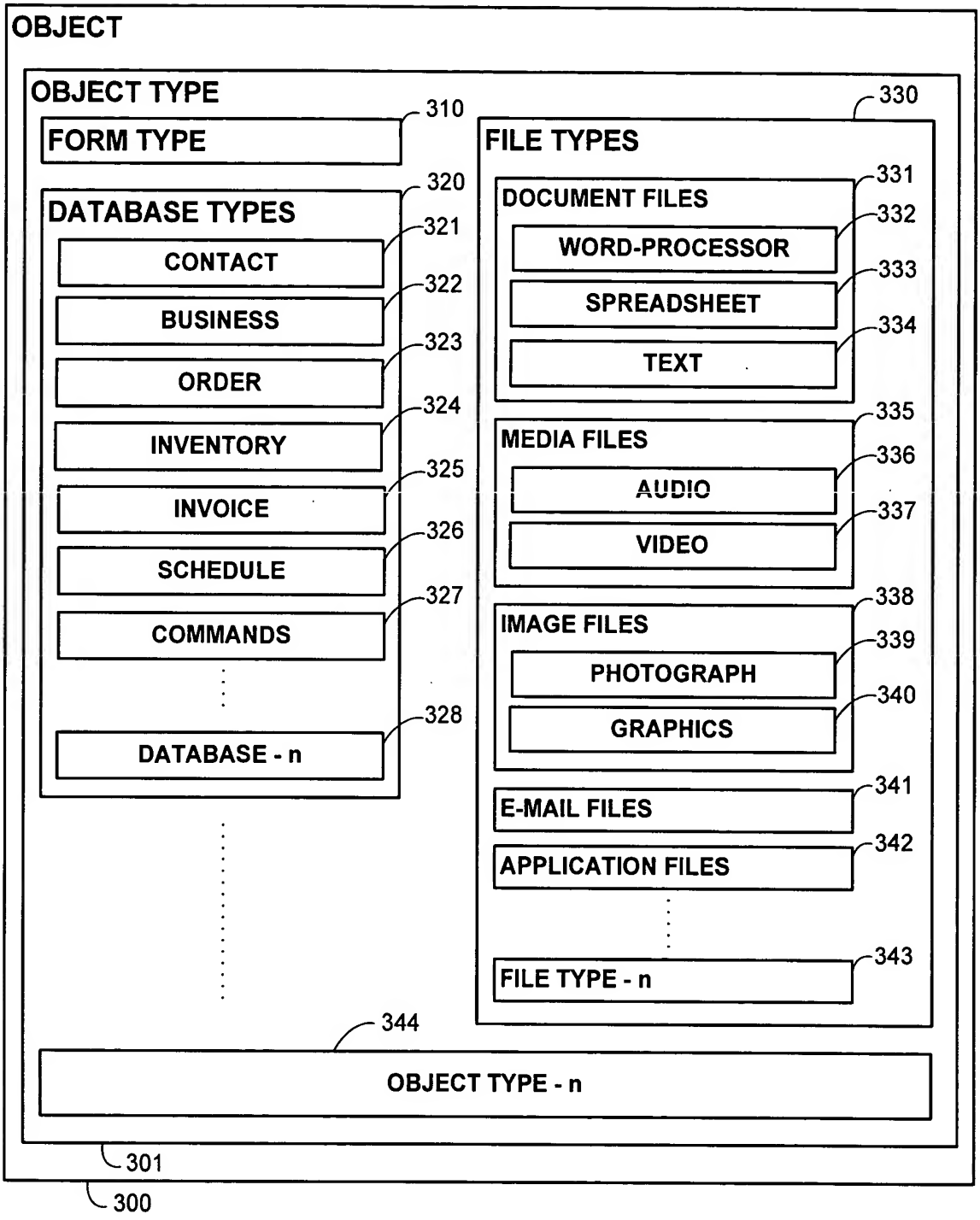

OBJECT
OBJECT TYPE
310
FORM TYPE
320
DATABASE TYPES
321
CONTACT
322
BUSINESS
323
ORDER
324
INVENTORY
325
INVOICE
326
SCHEDULE
327
COMMANDS
328
DATABASE - n
330
FILE TYPES
331
DOCUMENT FILES
332
WORD-PROCESSOR
333
SPREADSHEET
334
TEXT
335
MEDIA FILES
336
AUDIO
337
VIDEO
338
IMAGE FILES
339
PHOTOGRAPH
340
GRAPHICS
341
E-MAIL FILES
342
APPLICATION FILES
343
FILE TYPE - n
344
OBJECT TYPE - n
301
300

Fig. 4

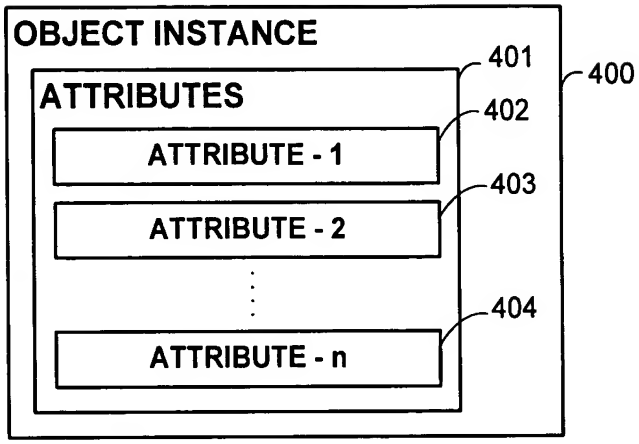

OBJECT INSTANCE
400
ATTRIBUTES
401
ATTRIBUTE - 1
402
ATTRIBUTE - 2
403
ATTRIBUTE - n
404

Fig. 5

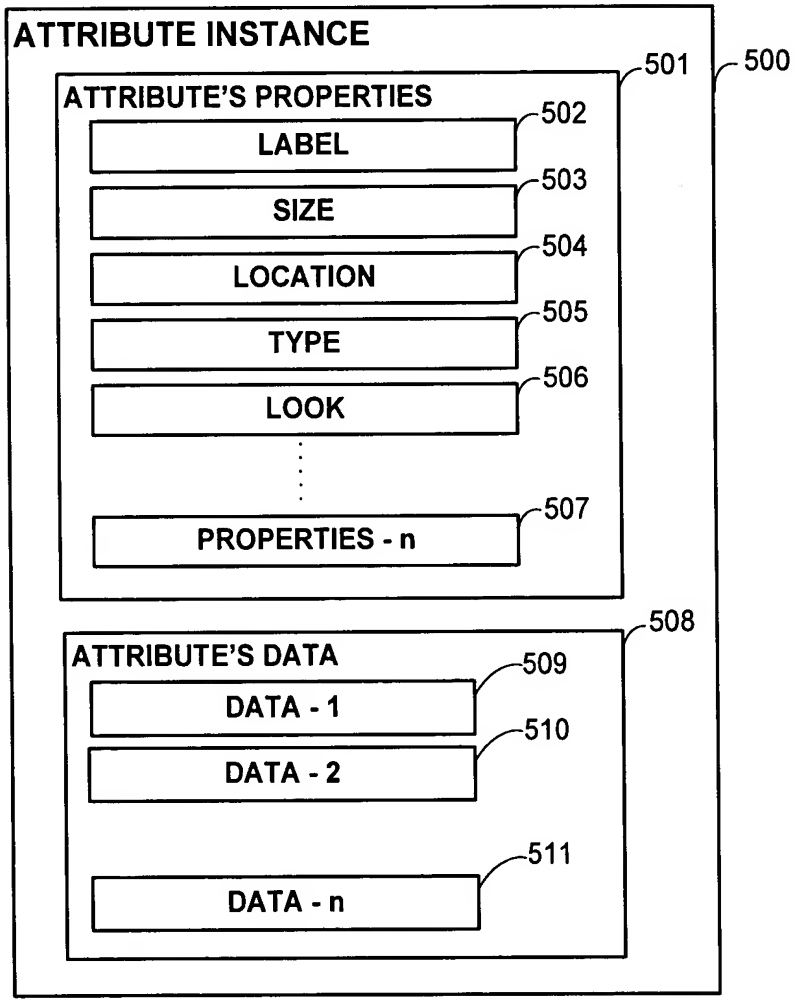

ATTRIBUTE INSTANCE
500
ATTRIBUTE'S PROPERTIES
501
LABEL
502
SIZE
503
LOCATION
504
TYPE
505
LOOK
506
PROPERTIES - n
507
ATTRIBUTE'S DATA
508
DATA - 1
509
DATA - 2
510
DATA - n
511

Fig. 6a

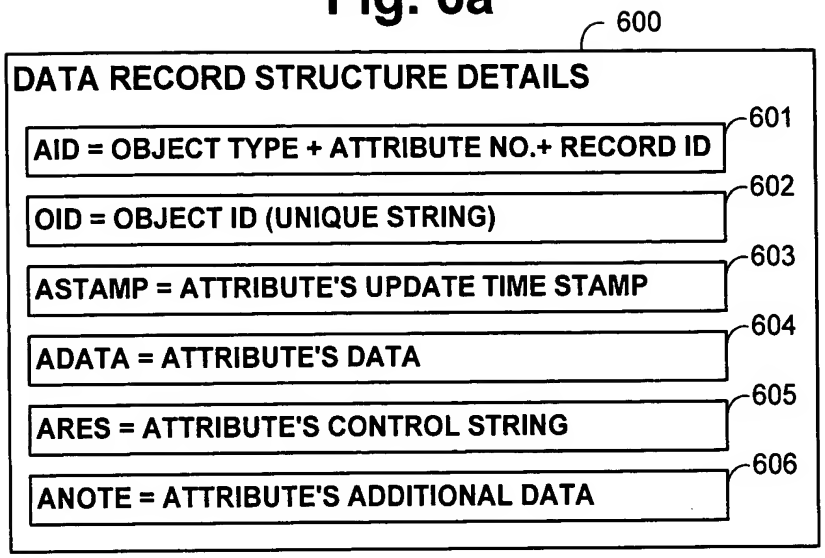


Fig. 6b

DATA RECORD STRUCTURE					
AID	OID	ASTAMP	ADATA	ARES	ANOTE

Fig. 6c

ATTRIBUTE INFORMATION OBJECT FORM CONTACT OBJECT TYPE (Example)

AID	OID				ANOTE
N0001000F	200207030944371813				009/0//0//0/20/4170/4765/arial?0?0?1?0/8/0/0//0/0/0//0/0/0/0/0/0/0/0////Neutrino : 1
N0001001F	200207030944371813				009/1/275/35/290/4575/Last Name :/0/1///
N0001002F	200207030944371813				009/2/565/35/290/4575/First Name :/0/2///
N0001003F	200207030944371813				009/3/855/35/290/4575/Address :/0/3///
N0001004F	200207030944371813				009/4/1145/35/290/4575/City :/0/4///
N0001005F	200207030944371813				009/5/1435/35/290/4575/State :/0/5///
N0001006F	200207030944371813				009/6/1725/35/290/4575/Zip Code :/0/6///
N0001007F	200207030944371813				009/7/2015/35/290/4575/Phone No. :/0/7///
N0001008F	200207030944371813				009/8/2305/35/290/4575/E-Mail Address :/0/8///
N0001009F	200207030944371813				009/9/2595/35/290/4575/Work Phone No. :/0/9///

Fig. 7a

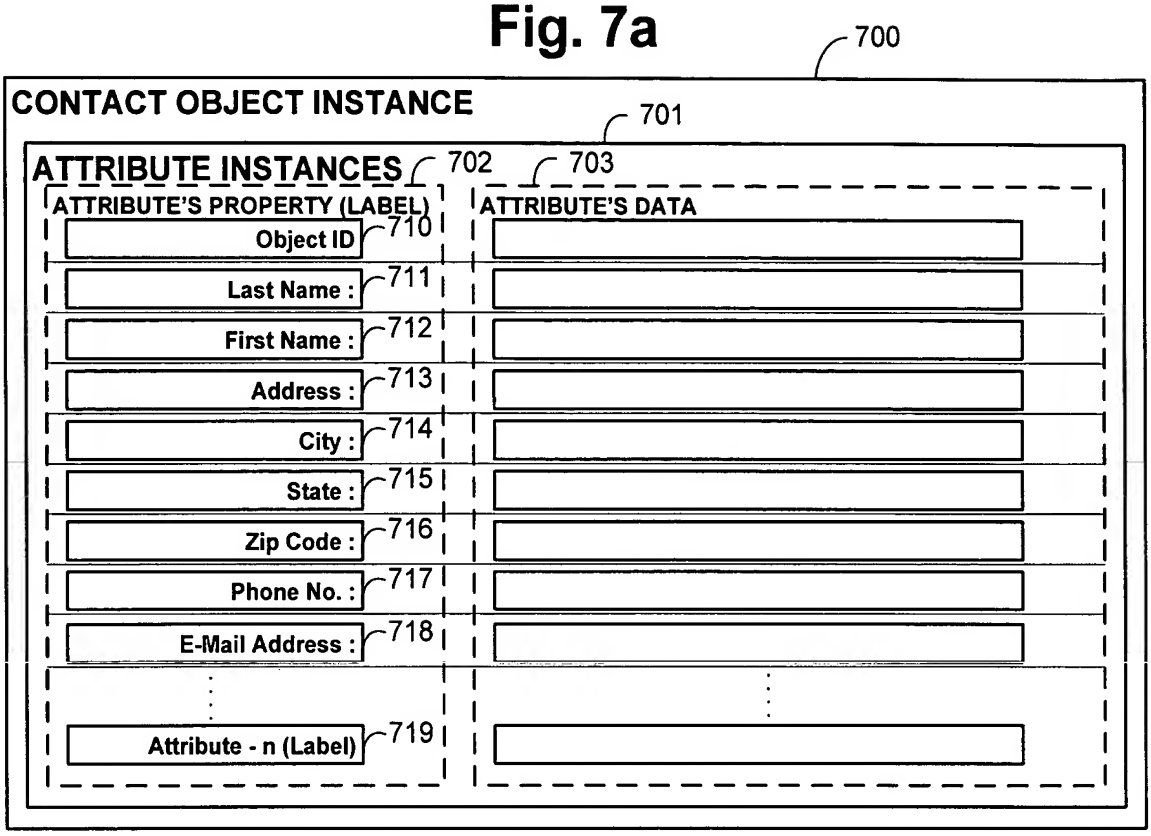

700
CONTACT OBJECT INSTANCE
701
ATTRIBUTE INSTANCES
702
703
ATTRIBUTE'S PROPERTY (LABEL)
ATTRIBUTE'S DATA
Object ID
710
Last Name :
711
First Name :
712
Address :
713
City :
714
State :
715
Zip Code :
716
Phone No. :
717
E-Mail Address :
718
Attribute - n (Label)
719

Fig. 8a

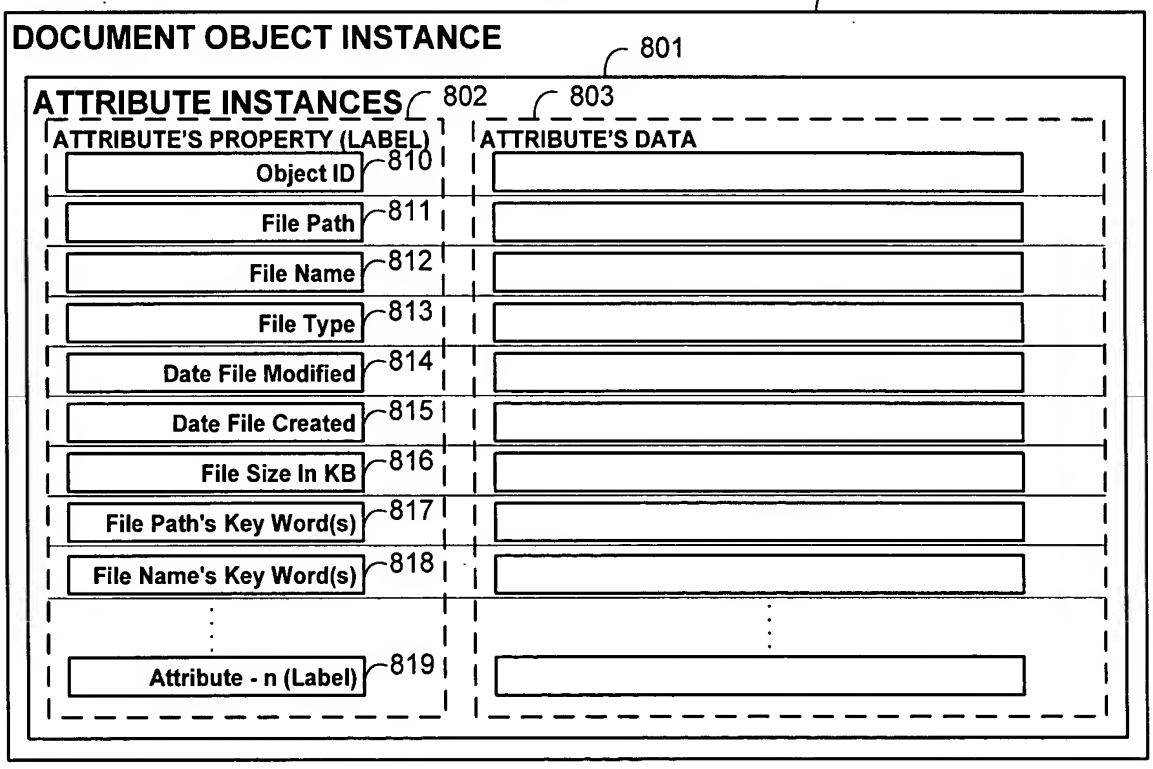

800
DOCUMENT OBJECT INSTANCE
801
ATTRIBUTE INSTANCES
802
803
ATTRIBUTE'S PROPERTY (LABEL)
ATTRIBUTE'S DATA
Object ID
810
File Path
811
File Name
812
File Type
813
Date File Modified
814
Date File Created
815
File Size In KB
816
File Path's Key Word(s)
817
File Name's Key Word(s)
818
Attribute - n (Label)
819

Fig. 7b

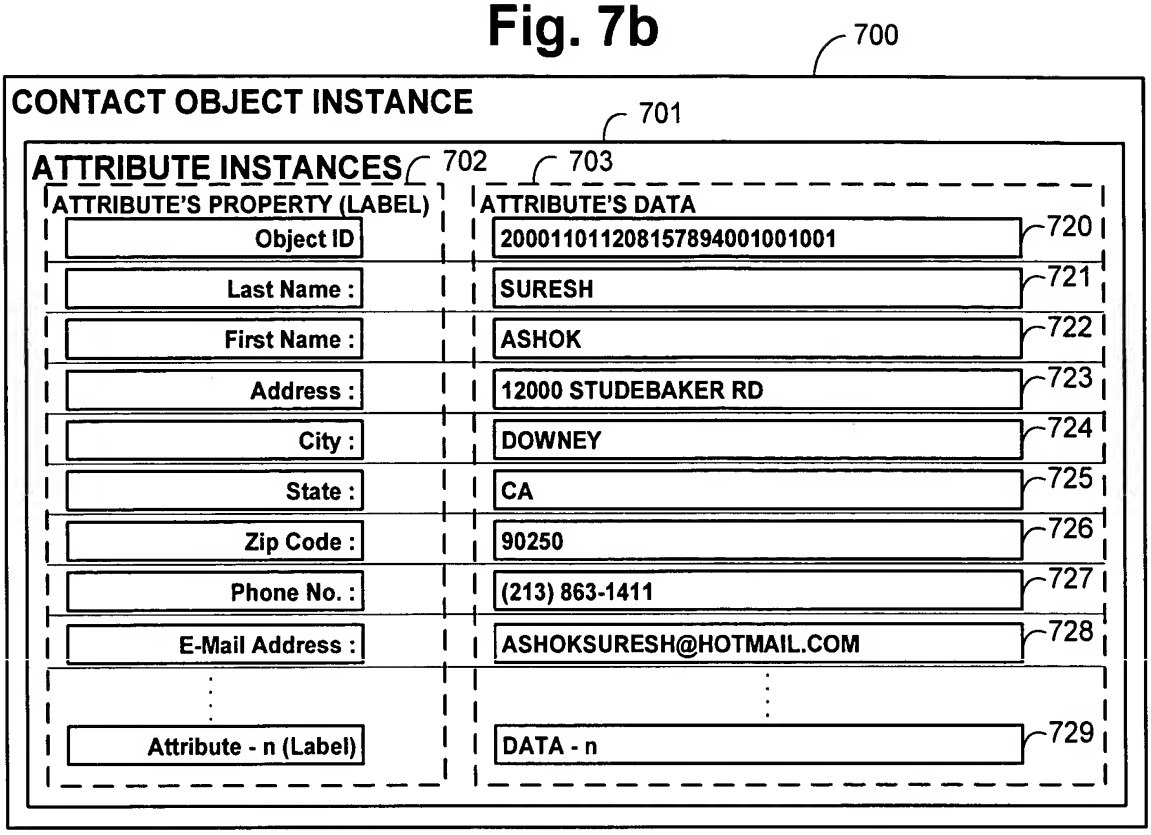

700
CONTACT OBJECT INSTANCE
701
ATTRIBUTE INSTANCES
702
703
ATTRIBUTE'S PROPERTY (LABEL)
ATTRIBUTE'S DATA
Object ID
20001101120815789400100 1001
720
Last Name :
SURESH
721
First Name :
ASHOK
722
Address :
12000 STUDEBAKER RD
723
City :
DOWNEY
724
State :
CA
725
Zip Code :
90250
726
Phone No. :
(213) 863-1411
727
E-Mail Address :
ASHOKSURESH@HOTMAIL.COM
728
Attribute - n (Label)
DATA - n
729

Fig. 8b

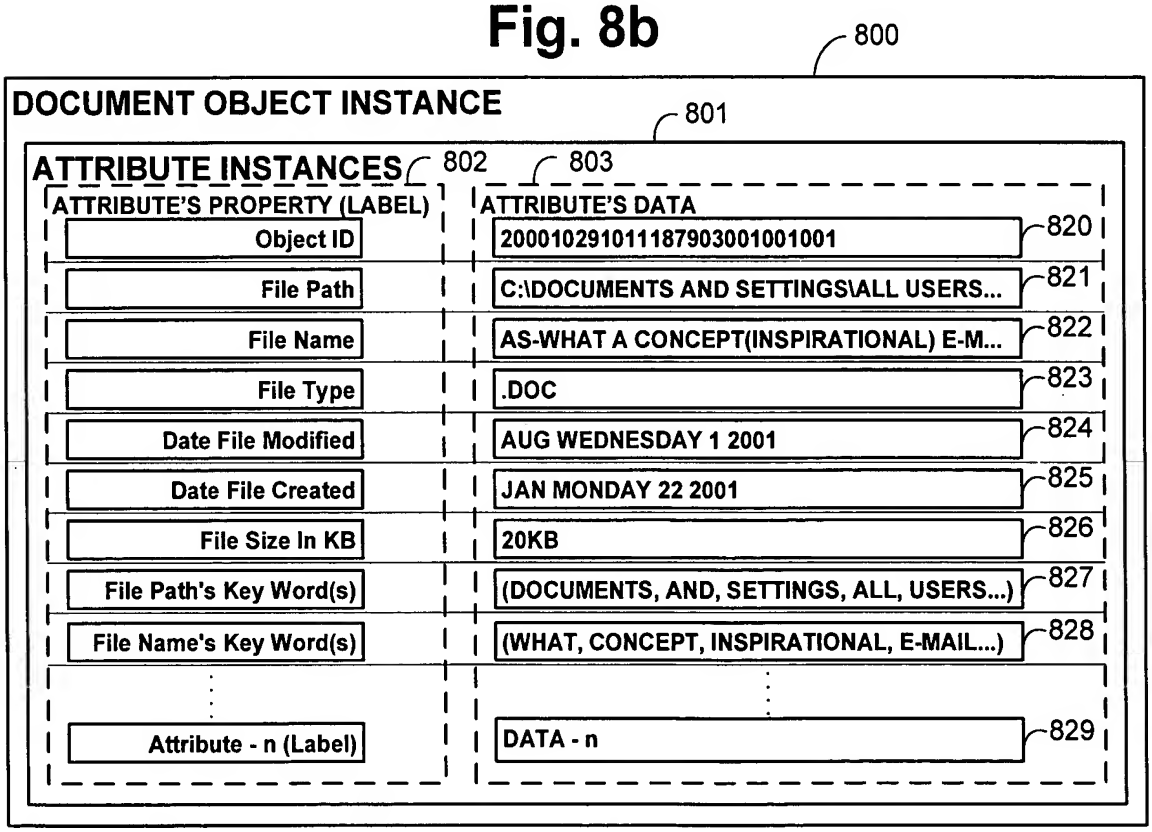

800
DOCUMENT OBJECT INSTANCE
801
ATTRIBUTE INSTANCES
802
803
ATTRIBUTE'S PROPERTY (LABEL)
ATTRIBUTE'S DATA
Object ID
20001029101118790300100 1001
820
File Path
C:\DOCUMENTS AND SETTINGS\ALL USERS...
821
File Name
AS-WHAT A CONCEPT(INSPIRATIONAL) E-M...
822
File Type
.DOC
823
Date File Modified
AUG WEDNESDAY 1 2001
824
Date File Created
JAN MONDAY 22 2001
825
File Size In KB
20KB
826
File Path's Key Word(s)
(DOCUMENTS, AND, SETTINGS, ALL, USERS...)
827
File Name's Key Word(s)
(WHAT, CONCEPT, INSPIRATIONAL, E-MAIL...)
828
Attribute - n (Label)
DATA - n
829

Fig. 9

CONTACT DATABASE FILE

AID	OID	ASTAMP	ADATA	ARES	ANOTE
RECORD - 1					
N0001001F	200207030944373623	200207030944373623	SURESH		
N0001002F	200207030944373623	200207030944373623	ASHOK		
N0001003F	200207030944373623	200207030944373623	12000 STUDEBAKER		
N0001004F	200207030944373623	200207030944373623	DOWNEY		
N0001005F	200207030944373623	200207030944373623	CA		
N0001006F	200207030944373623	200207030944373623	90250		
N0001007F	200207030944373623	200207030944373623	(213) 863-1411		
N0001008F	200207030944373623	200207030944373623	ASHOKSURESH@HOTMAIL.COM		
N0001009F	200207030944373623	200207030944373623	(310) 929-3324		
RECORD - 2					
N0001001F	200207030944374623	200207030944374623	DOLIN		
N0001002F	200207030944374623	200207030944374623	JEFFERY		
N0001003F	200207030944374623	200207030944374623	11916 ARTESIA BLVD.		
N0001004F	200207030944374623	200207030944374623	ARTESIA		
N0001005F	200207030944374623	200207030944374623	CA		
N0001006F	200207030944374623	200207030944374623	90730		
N0001007F	200207030944374623	200207030944374623	(562) 563-3456		
N0001008F	200207030944374623	200207030944374623	JEFFD@AOL.COM		
N0001009F	200207030944374623	200207030944374623	(562) 829-3825		

Fig. 10

CONTACT AND DOCUMENT LINK FILE

AID	OID	ASTAMP	ADATA	ARES	ANOTE
LDOC1001L	200207030944376623	200207031527375653	200207031221288553		
LDOC1001L	200207030944373623	200207032347052193	200207031221568853		
LDOC1001L	200207030944373623	200207032347053493	200207031221072143		
LDOC1001L	200207030944374623	200207180354547724	200207031222491203		

Fig. 11

DOCUMENT KNOWLEDGE DATABASE

AID	OID	ASTAMP	ADATA	ARES	ANOTE
RECORD - 1					
DOC01023R	200207031219114573	200207031219114573	VISUALIZATION		
DOC01022R	200207031219114573	200207031219114573	SUCCESSFUL		
DOC01020R	200207031219114573	200207031219114573	USERS		
DOC01019R	200207031219114573	200207031219114573	ALL		
DOC01018R	200207031219114573	200207031219114573	SETTINGS		
DOC01017R	200207031219114573	200207031219114573	AND		
DOC01016R	200207031219114573	200207031219114573	DOCUMENTS		
DOC01014R	200207031219114573	200207031219114573	MONDAY		
DOC01013R	200207031219114573	200207031219114573	2001		
DOC01012R	200207031219114573	200207031219114573	WEDNESDAY		
DOC01011R	200207031219114573	200207031219114573	22 KB		
DOC01010R	200207031219114573	200207031219114573	JAN MONDAY 22 2001		
DOC01009R	200207031219114573	200207031219114573	AUG WEDNESDAY 1 2001		
DOC01008R	200207031219114573	200207031219114573	.DOC		
DOC01007R	200207031219114573	200207031219114573	AS-SUCCESSFUL VISUALIZATION.DOC		
DOC01006R	200207031219114573	200207031219114573	C:\DOCUMENTS AND SETTINGS\ALL USERS\DOCU		
DOC01001R	200207031219114573	200207031219114573			
RECORD - 2					
DOC01025R	200207031219123083	200207031219123083	MAIL		
DOC01024R	200207031219123083	200207031219123083	INSPERATIONAL		
DOC01023R	200207031219123083	200207031219123083	CONCEPT		
DOC01022R	200207031219123083	200207031219123083	WHAT		
DOC01020R	200207031219123083	200207031219123083	USERS		
DOC01019R	200207031219123083	200207031219123083	ALL		
DOC01018R	200207031219123083	200207031219123083	SETTINGS		
DOC01017R	200207031219123083	200207031219123083	AND		
DOC01016R	200207031219123083	200207031219123083	DOCUMENTS		
DOC01014R	200207031219123083	200207031219123083	MONDAY		
DOC01013R	200207031219123083	200207031219123083	2001		
DOC01012R	200207031219123083	200207031219123083	WEDNESDAY		
DOC01011R	200207031219123083	200207031219123083	20 KB		
DOC01010R	200207031219123083	200207031219123083	JAN MONDAY 22 2001		
DOC01009R	200207031219123083	200207031219123083	AUG WEDNESDAY 1 2001		
DOC01008R	200207031219123083	200207031219123083	.DOC		
DOC01007R	200207031219123083	200207031219123083	AS-WHAT A CONCEPT (INSPERATIONAL) E-MAIL		
DOC01006R	200207031219123083	200207031219123083	C:\DOCUMENTS AND SETTINGS\ALL USERS\DOCU		
DOC01001R	200207031219123083	200207031219123083			

Fig. 12

MEDIA (AUDIO / VIDEO) KNOWLEDGE DATABASE

AID	OID	ASTAMP	ADATA	ARES	ANOTE
RECORD - 1					
MP301024R	200207031236524533	200207031236524533	PART		
MP301023R	200207031236524533	200207031236524533	WINNING		
MP301022R	200207031236524533	200207031236524533	OF		
MP301021R	200207031236524533	200207031236524533	PSYCOLOGY		
MP301020R	200207031236524533	200207031236524533	WAITLEY		
MP301019R	200207031236524533	200207031236524533	E.		
MP301018R	200207031236524533	200207031236524533	DENIS		
MP301017R	200207031236524533	200207031236524533	YOGA		
MP301016R	200207031236524533	200207031236524533	ENGLISH		
MP301015R	200207031236524533	200207031236524533	MUSIC		
MP301014R	200207031236524533	200207031236524533	NEUDESK		
MP301013R	200207031236524533	200207031236524533	.WAV		
MP301012R	200207031236524533	200207031236524533	THE PSYCOLOGY OF WINNING PART-1.WAV		
MP301011R	200207031236524533	200207031236524533	C:\NEUDESK\MUSIC\ENGLISH\YOGA\DENIS E. W		
MP301001R	200207031236524533	200207031236524533			
RECORD - 2					
DOC01025R	200207031219123083	200207031236550373	MAIL		
MP301024R	200207031236550373	200207031236550373	WIZARD		
MP301022R	200207031236550373	200207031236550373	OF		
MP301021R	200207031236550373	200207031236550373	WAY		
MP301020R	200207031236550373	200207031236550373	CHOPRA		
MP301019R	200207031236550373	200207031236550373	DEEPAK		
MP301018R	200207031236550373	200207031236550373	DR.		
MP301017R	200207031236550373	200207031236550373	YOGA		
MP301016R	200207031236550373	200207031236550373	ENGLISH		
MP301015R	200207031236550373	200207031236550373	MUSIC		
MP301014R	200207031236550373	200207031236550373	NEUDESK		
MP301013R	200207031236550373	200207031236550373	.WAV		
MP301012R	200207031236550373	200207031236550373	THE WAY OF THE WIZARD.WAV		
MP301011R	200207031236550373	200207031236550373	C:\NEUDESK\MUSIC\ENGLISH\YOGA\DR. DEEPAK		
MP301001R	200207031236550373	200207031236550373			

Fig. 13

DEFINE NEW FORM OBJECT

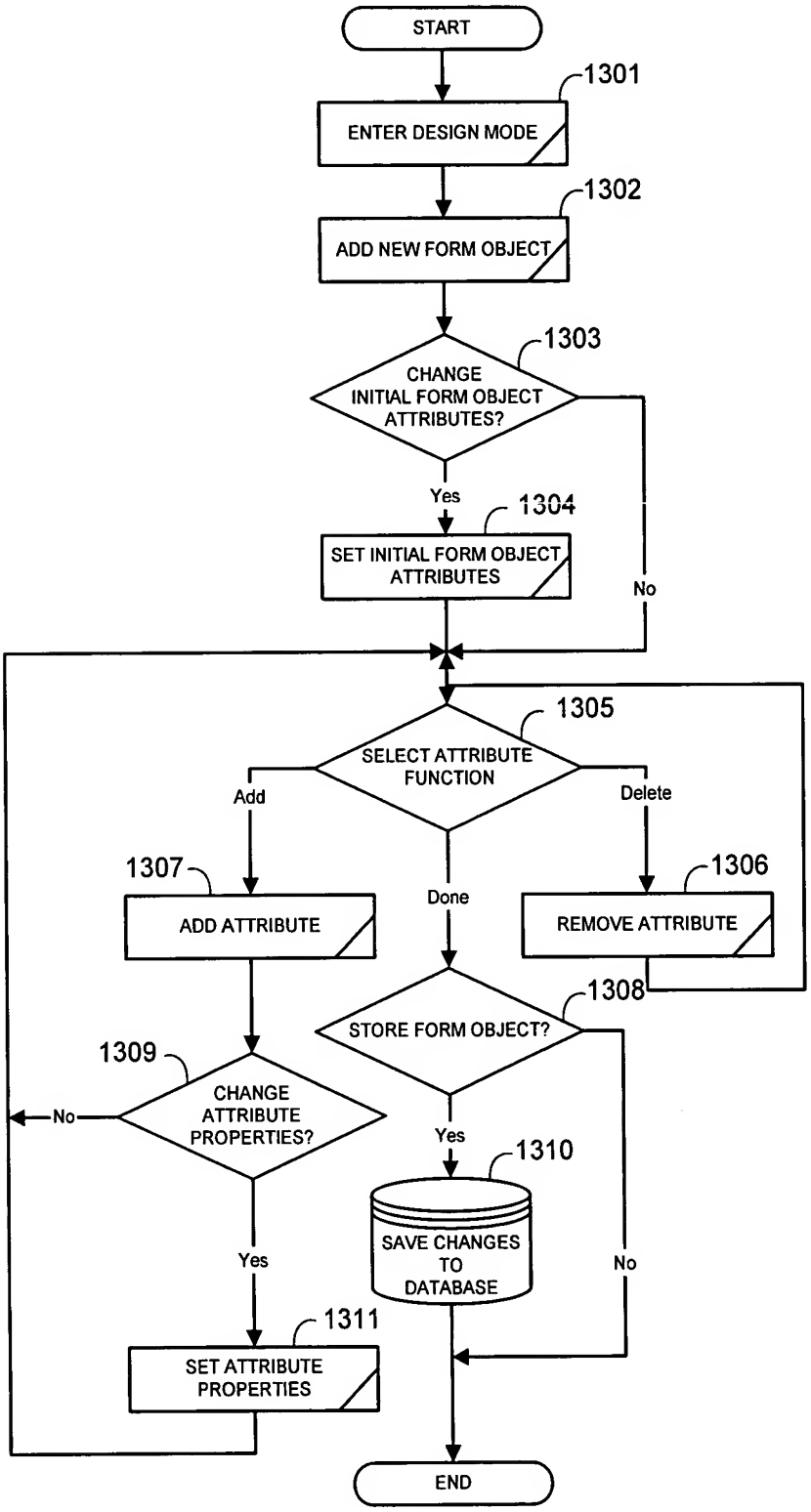


Fig. 14

REDEFINE FORM OBJECT

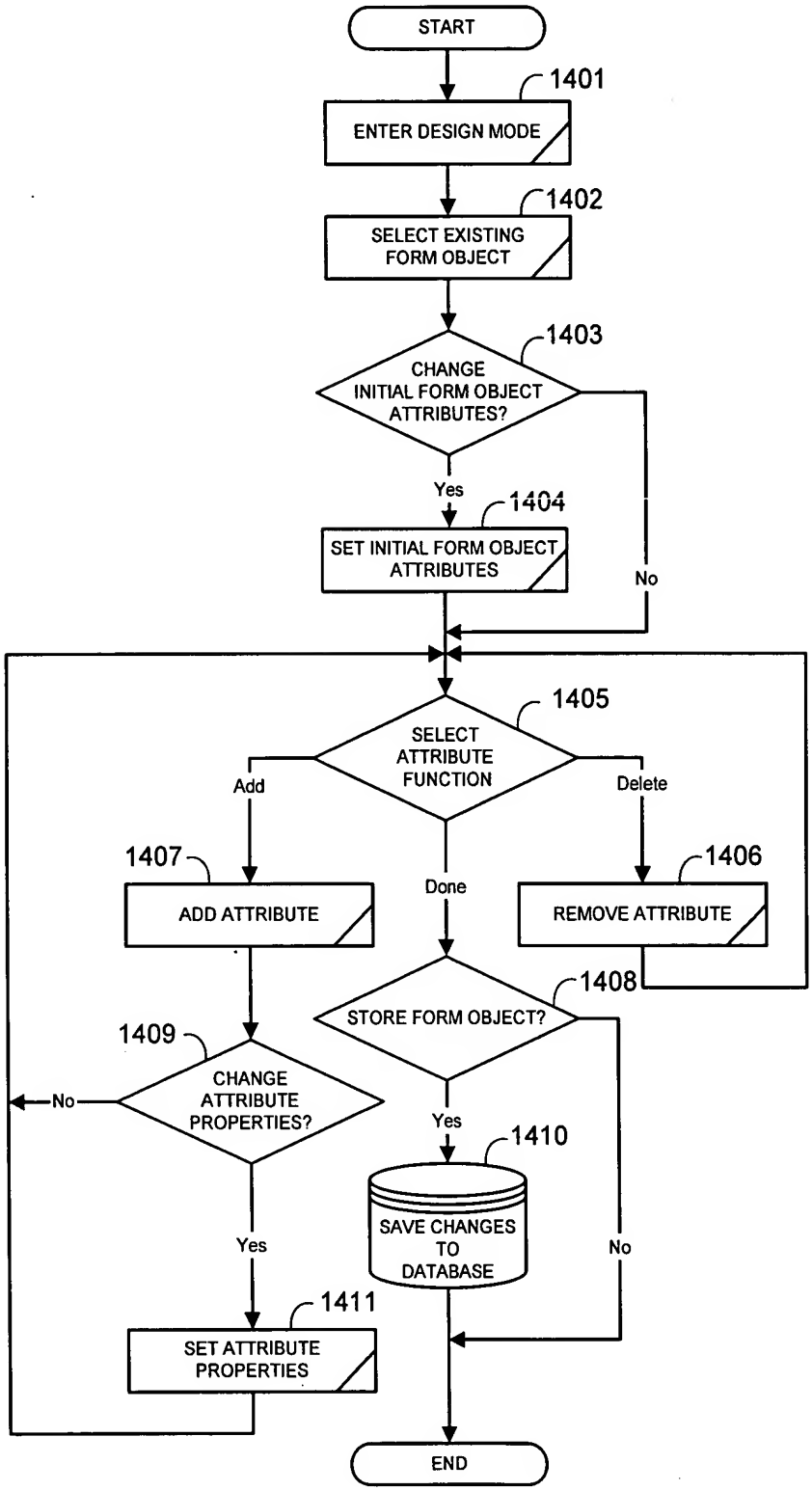


Fig. 15

ADD DATA TO AN OBJECT

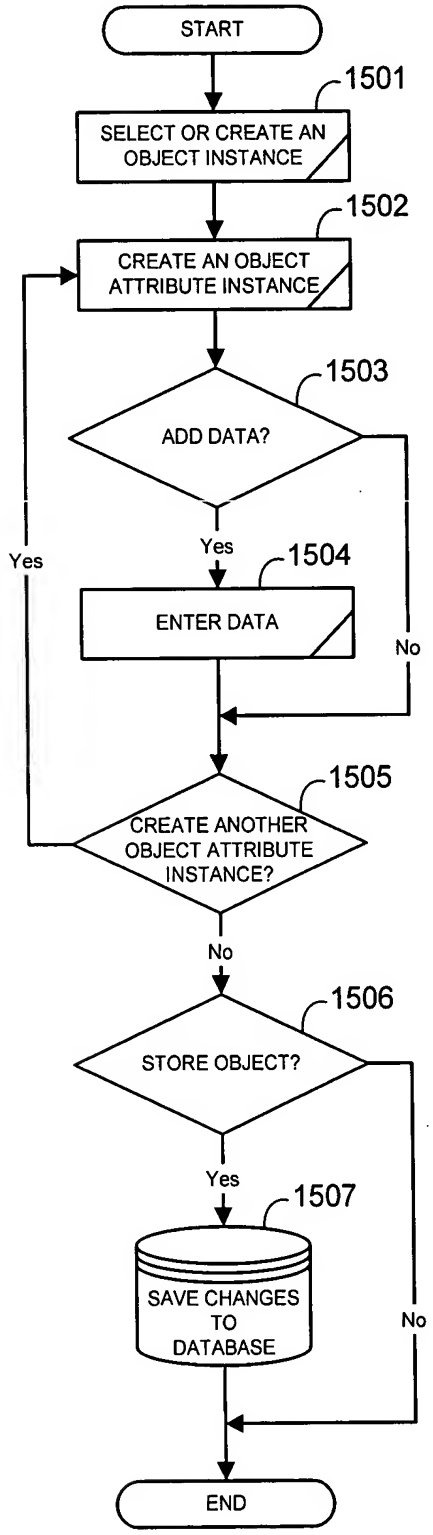


Fig. 16

MODIFY DATA IN AN OBJECT

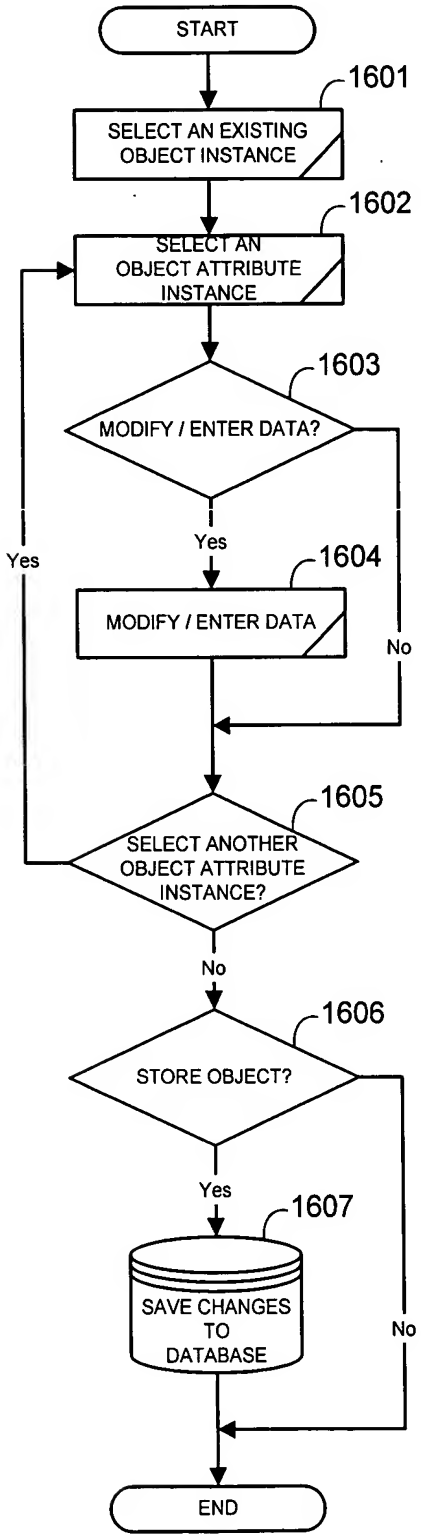


Fig. 17

STORE FORM OBJECT

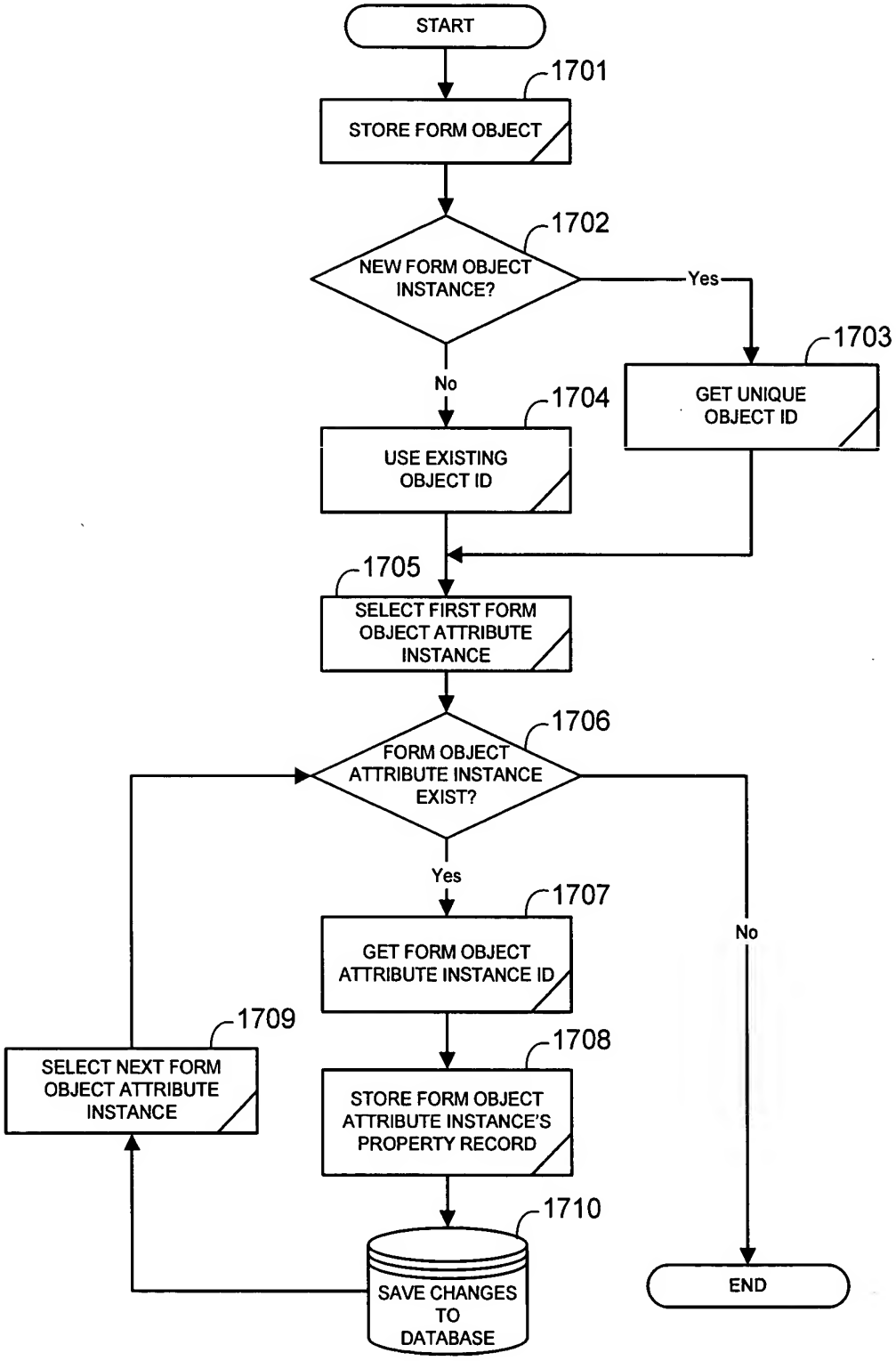


Fig. 18

DELETE FORM OBJECT

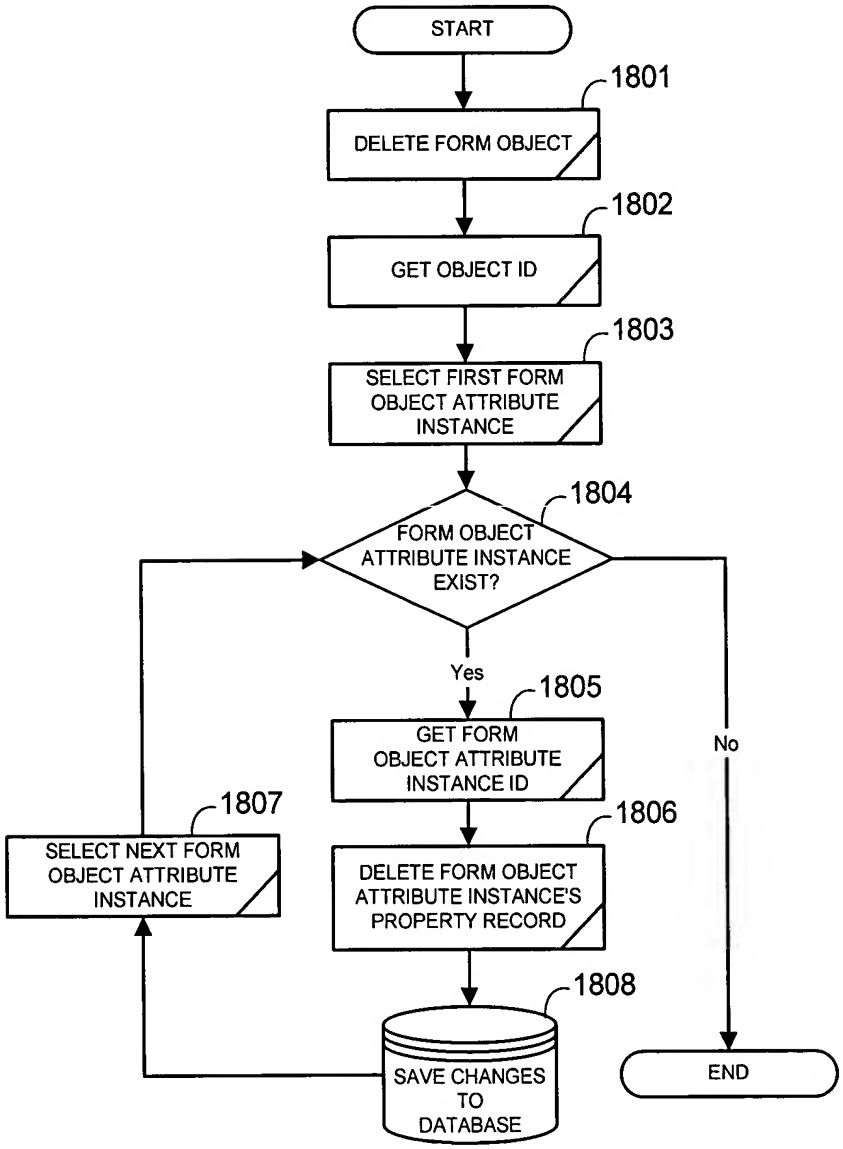


Fig. 19

STORE AN OBJECT

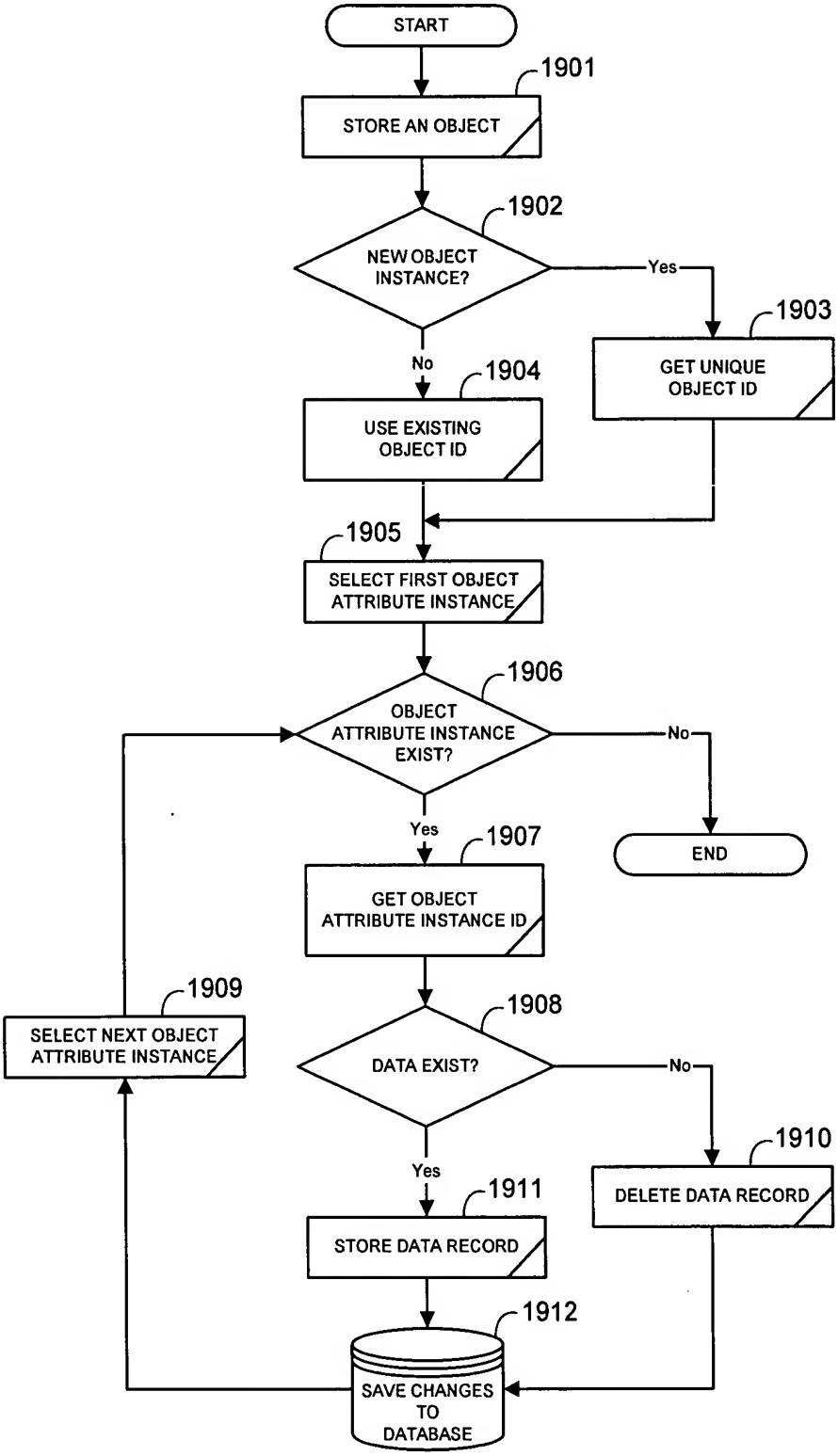


Fig. 20

DELETE AN OBJECT

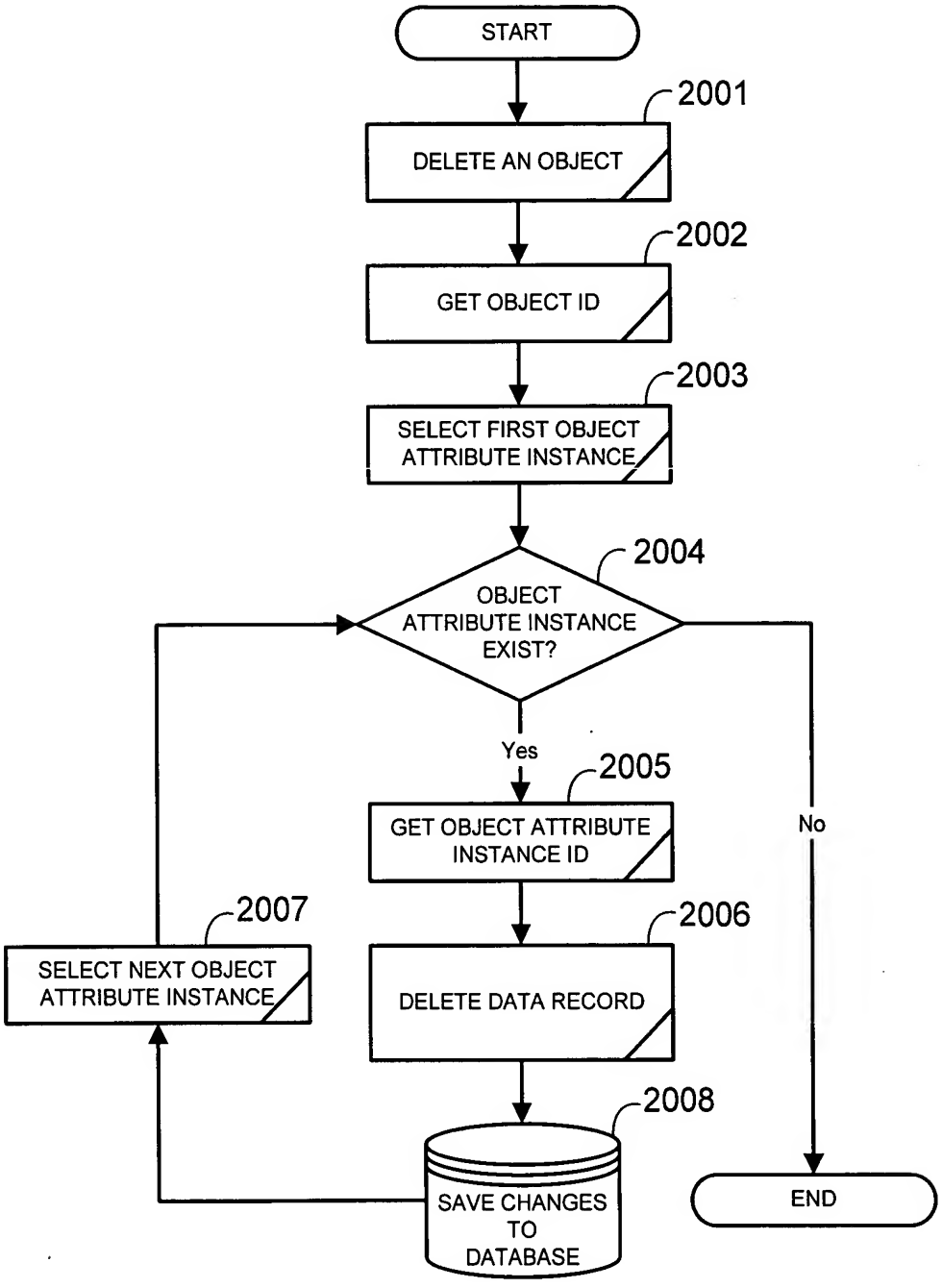


Fig. 21

READ FORM OBJECT

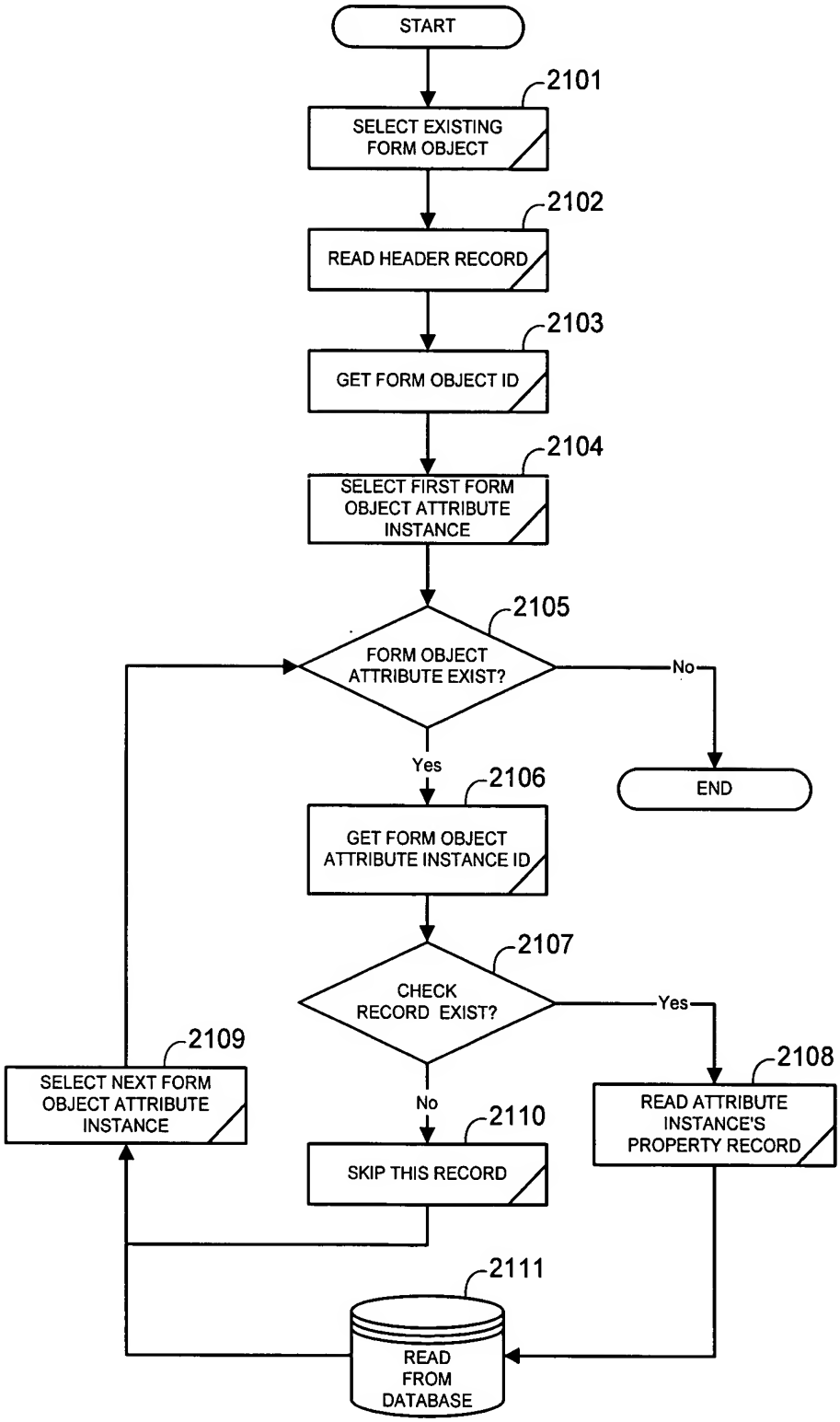


Fig. 22

READ DATA OBJECT

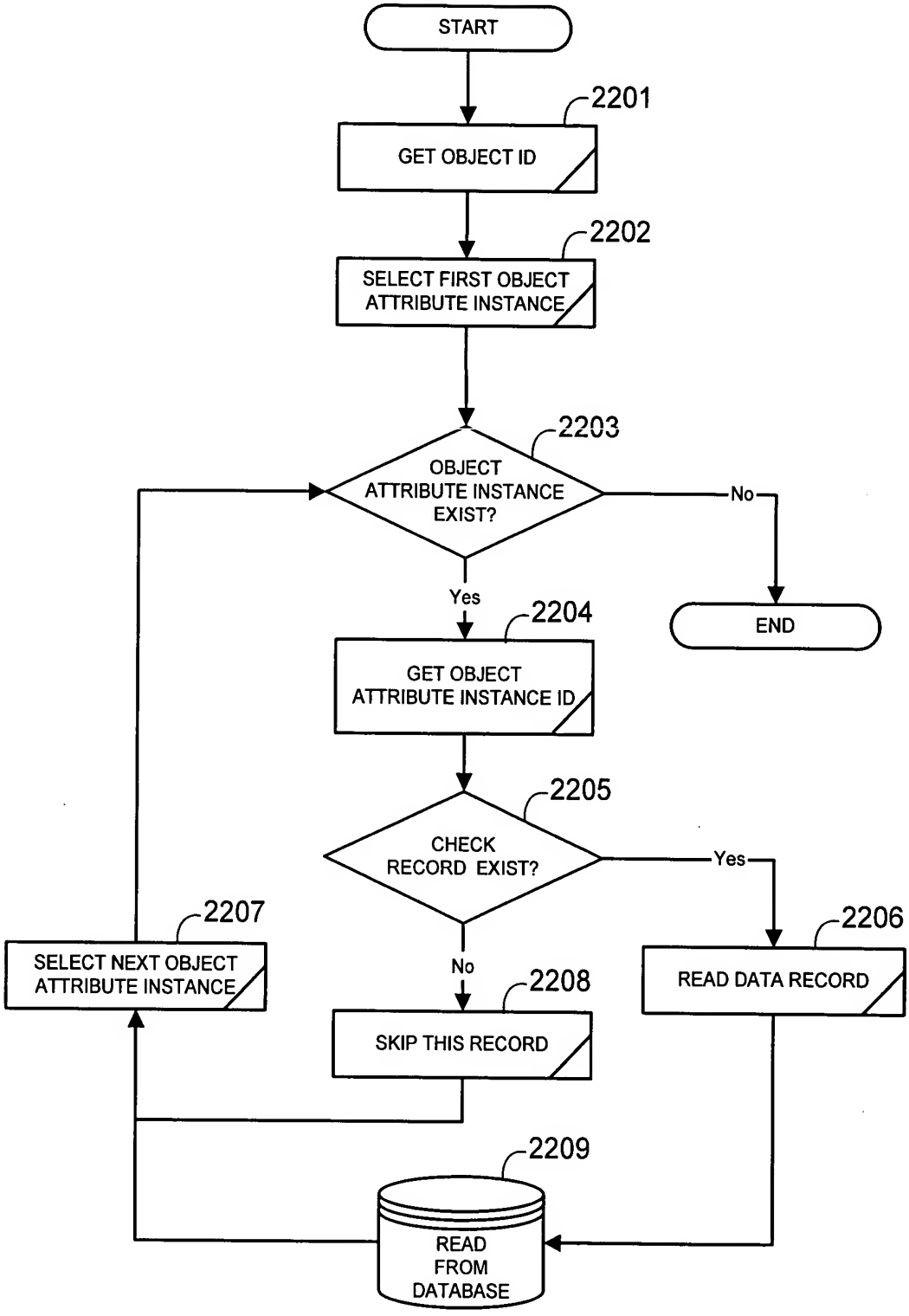


Fig. 23

DISPLAY OBJECT

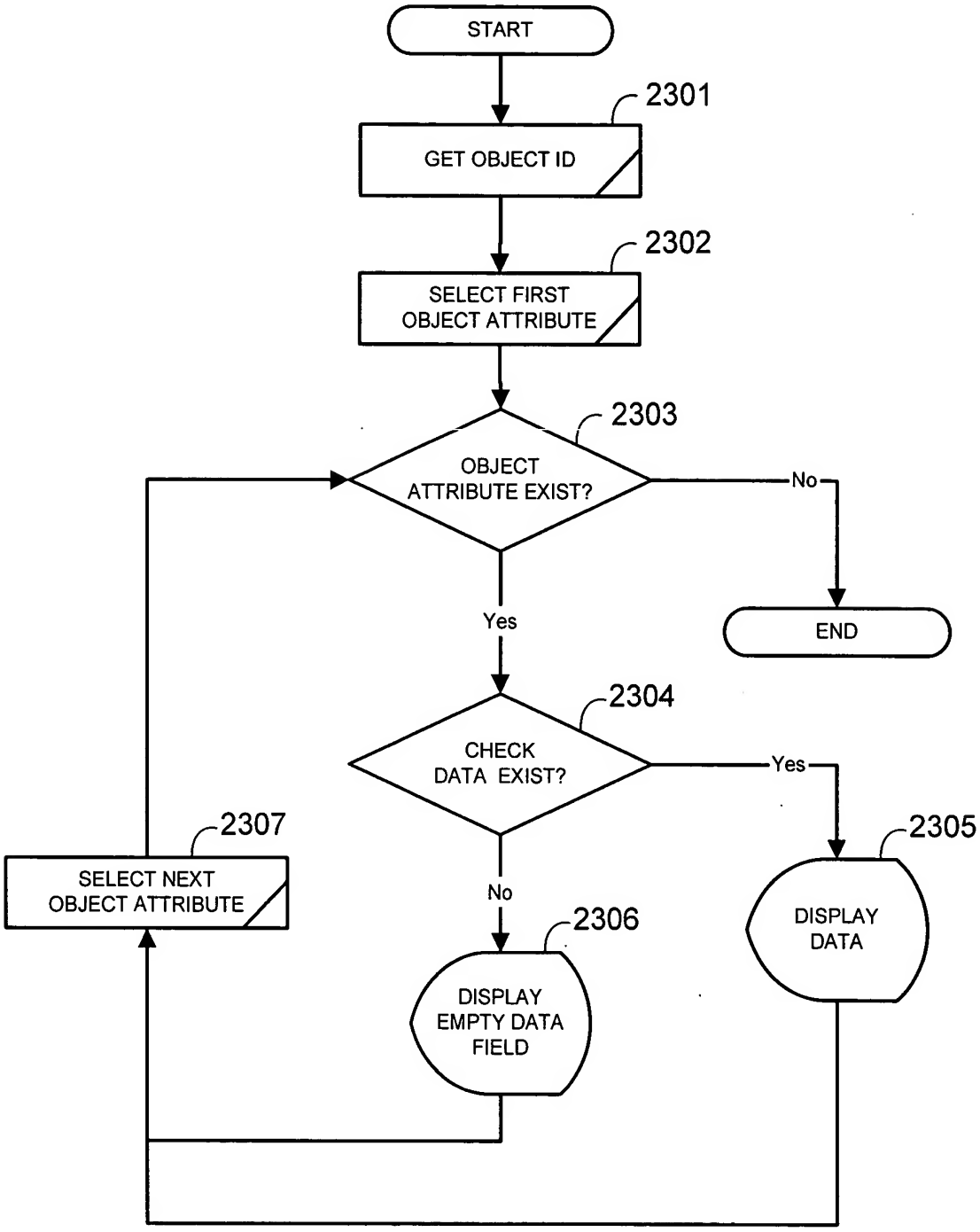


Fig. 24

ABSOLUTE SINGLE OBJECT SEARCH

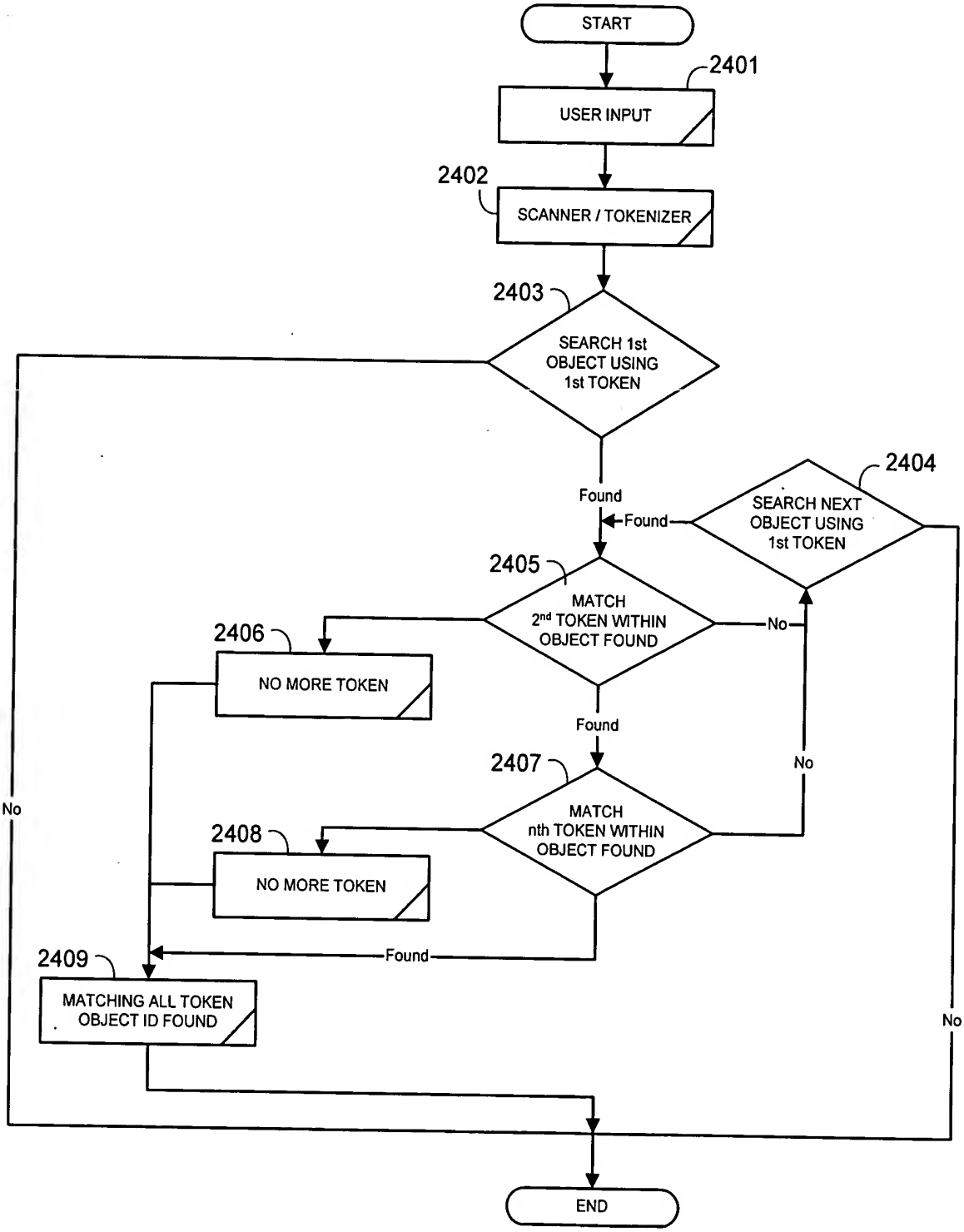
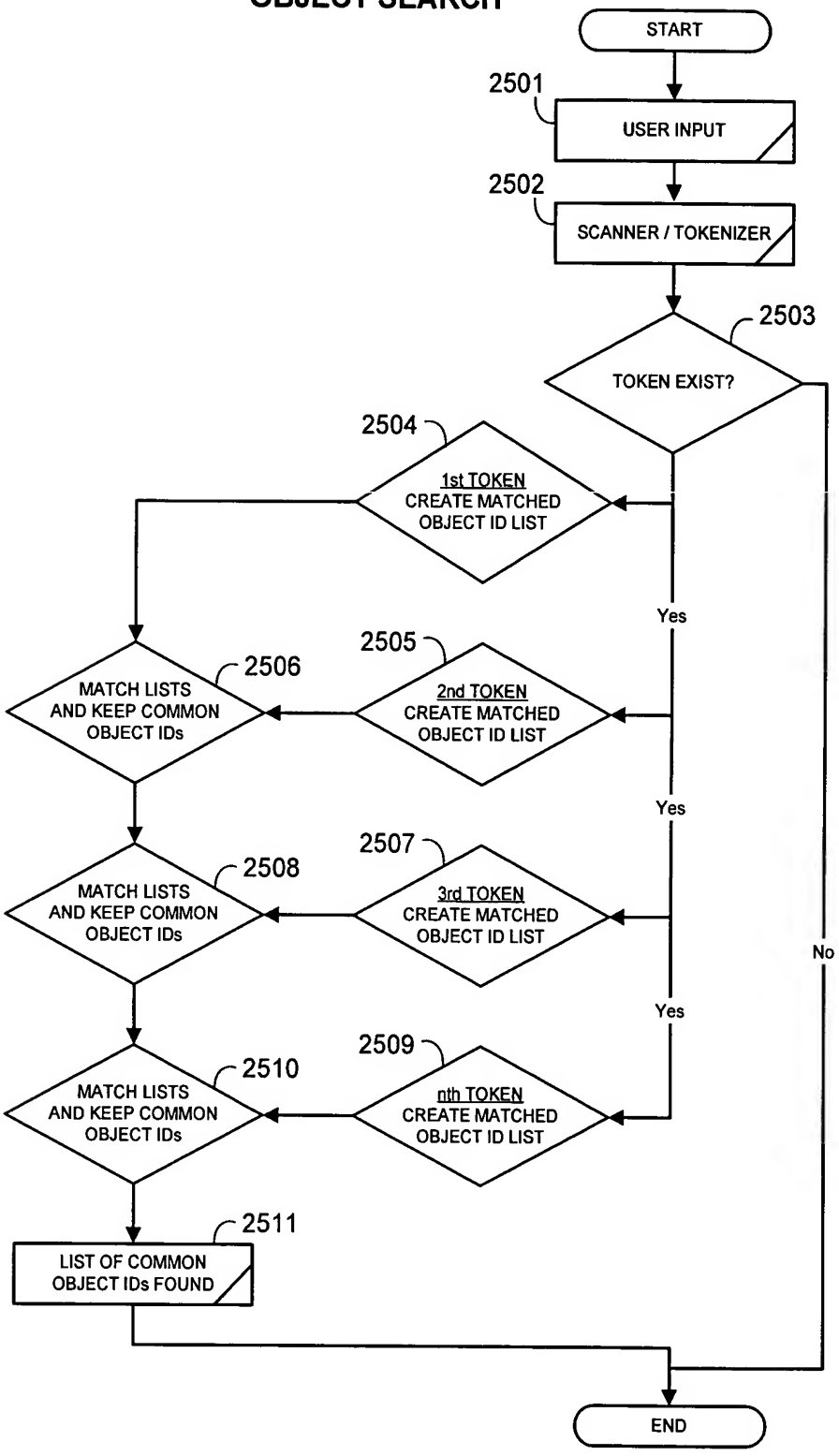


Fig. 25

PROBABILITY BASED OBJECT SEARCH